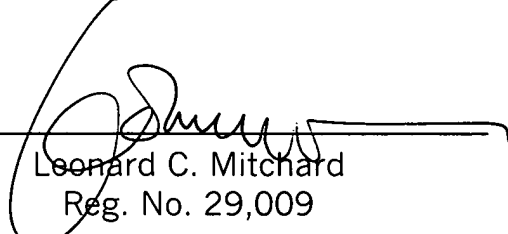● ●

REMARKS

The above amendments have been made to place the application in a more traditional format.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page/s is/are captioned "**Version With Markings To Show Changes Made**."

Respectfully submitted,

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IN THE CLAIMS

5.   (Amended) A method as claimed in [any one of the preceding claims] claim 1 comprising the steps of displaying one or more images to a user and superimposing on the image a representation of the intersection of the reference model with the image.

7.   (Amended) A method as claimed in claim 5 [or claim 6] wherein the user performs the step of defining one or more boundary points on the image(s).

8.   (Amended) A method as claimed in [any one of the preceding claims] claim 5 further comprising the step of calculating the volume of the subject organ or part from the estimate model.

9.   (Amended) A method as claimed in [any one of the preceding claims] claim 5 further comprising the step of calculating the mass of the subject organ or part from the estimate model.

10.   (Amended) A method as claimed in [any one of the preceding claims] claim 5 wherein the subject organ comprises a ventricle of the heart and the characteristics measured include ventricular mass, endocardial volume and/or wall thickness of all of the ventricle or part thereof.

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11. (Amended) A method as claimed in [any one of the preceding claims] claim 5 wherein the subject organ comprises a ventricle of the heart and the characteristics measured include ventricular abnormalities identified through changes in wall thickness over time.

12. (Amended) A method as claimed in [any one of claims 1 to 9" claim 1 wherein the subject organ comprises a kidney and the characteristics measured include cortical thickness.

17. (Amended) A system as claimed in [any one of claims 13 to 16] claim 13 further comprising display means arranged to display one or more images to a user and to superimpose on the image a representation of the intersection of the reference model with the image slice.

19. (Amended) A system as claimed in claim 17 [or claim 18] wherein the boundary guide point definition means is arranged to obtain preferred guide point positions from a user.

20. (Amended) A system as claimed in [any one of claims 13 to 19 claim 17 further comprising volume calculation means arranged to calculate the volume of the subject organ or part from the estimate model.

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21.   (Amended) A system as claimed in [any one of claims 13 to 20] claim 17 further comprising mass calculation means arranged to calculate the mass of the subject organ or part from the estimate model.

22.   (Amended) A system as claimed in [any one of claims 13 to 21] claim 17 wherein the subject organ comprises a ventricle of the heart and the characteristics measured include ventricular mass, endocardial volume and/or wall thickness of all of the ventricle or part thereof.

23.   (Amended) A system as claimed in [any one of claims 13 to 22] claim 17 wherein the subject organ comprises a ventricle of the heart and the characteristics measured include ventricular abnormalities identified through changes in wall thickness over time.

24.   (Amended) A system as claimed in [any one of claims 13 to 21] claim 17 wherein the subject organ comprises a kidney and the characteristics measured include cortical thickness.

29.   A program as claimed in [any one of claims 25 to 28] claim 25 further comprising display means arranged to display one or more images to a user and to superimpose on the image a representation of the intersection of the

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reference model with the image.

31.   (Amended) A program as claimed in claim 29 [or claim 30] wherein the boundary guide point definition means is arranged to obtain preferred guide point positions from a user.

32.   (Amended) A program as claimed in [any one of claims 25 to 31] claim 29 further comprising volume calculation means arranged to calculate the volume of the subject organ or part from the estimate model.

33.   A program as claimed in [any one of claims 25 to 32] claim 29 further comprising mass calculation means arranged to calculate the mass of the subject organ or part from the estimate model.

34.   (Amended) A program as claimed in [any one of claims 25 to 33] claim 29 wherein the subject organ comprises a ventricle of the heart and the characteristics measured include ventricular mass, endocardial volume and! or wall thickness of all of the ventricle or part thereof.

35.   (Amended) A program as claimed in [any one of claims 25 to 34] claim 29 wherein the subject organ comprises a ventricle of the heart and the characteristics measured include ventricular abnormalities identified through

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changes in wall thickness over time.

36.   (Amended) A program as claimed in [any one of claims 25-33] <u>claim</u> <u>29</u> wherein the subject organ comprises a kidney and the characteristics measured include cortical thickness.

37.   (Amended) A computer program as claimed in [any one of claims 25 to 33] <u>claim 25</u> embodied on a computer readable medium.

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